



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Friday August 13, 2021

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).



NWSSouthern

[www.weather.gov/srh](http://www.weather.gov/srh)

# Summary of the Upcoming Week



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- **Isolated to scattered heavy rain/flash flooding possible today through the weekend across various parts of FEMA Region 6.**
- **Isolated severe storms possible over NE OK & N AR today; damaging winds are the main threat.**
- **Tropical Depression Fred is expected to re-strengthen to a Tropical Storm today and move into the E Gulf this weekend.**
  - **No significant impacts to FEMA Region 6 are expected at this time.**
- **A low pressure area in the central Atlantic is likely to become a Tropical Depression today or tomorrow and move over portions of the Leeward Islands Saturday night & the Virgin Islands and Puerto Rico Sunday.**
  - **Too early to pinpoint potential impacts to FEMA Region 6.**

# FEMA Region 6 Threat Matrix

Aug 13, 2021 - Aug 17, 2021



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DAY / THREAT	Fri	Sat	Sun	Mon	Tue
Severe Storms	NE OK, N AR				
Heavy Rain / Flash Flooding	NM, WTX	S NM, Far WTX	NM, WTX, ETX, SE AR, LA		
	E OK, AR	OK, AR			
Fire Weather					
Tropical Winds / Surge					
Heat	TX, OK, AR, LA				
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\**

*For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



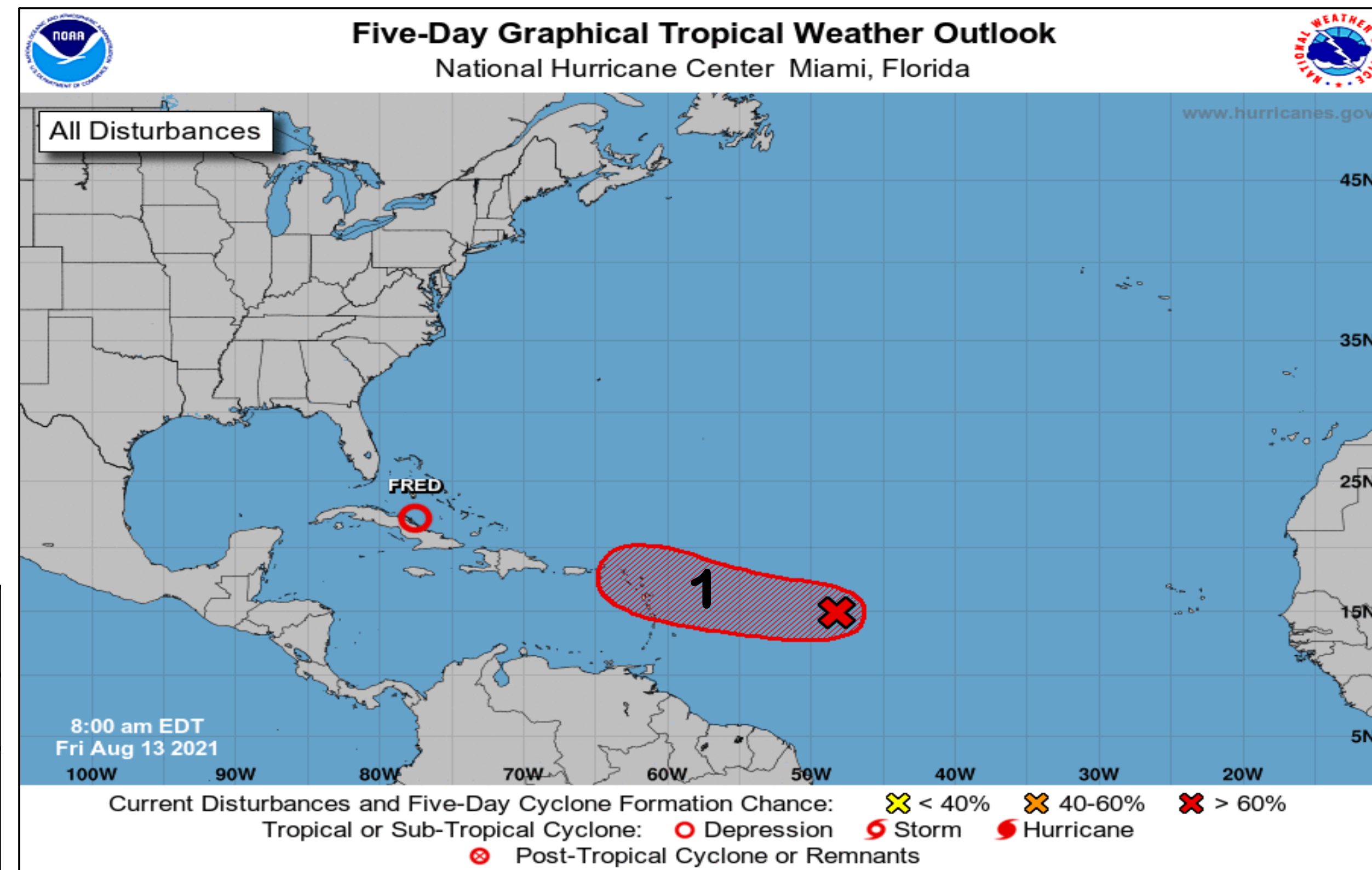
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## Areas of Possible Development

Area	Chance of Development	Potential Impacts to FEMA 6
1	High	None in the next 5 days. Too early to pinpoint potential impacts to FEMA 6.

## Active Tropical Cyclones

Storm	Potential Impacts to FEMA 6
Fred	No significant impacts to FEMA Region 6 are expected at this time.

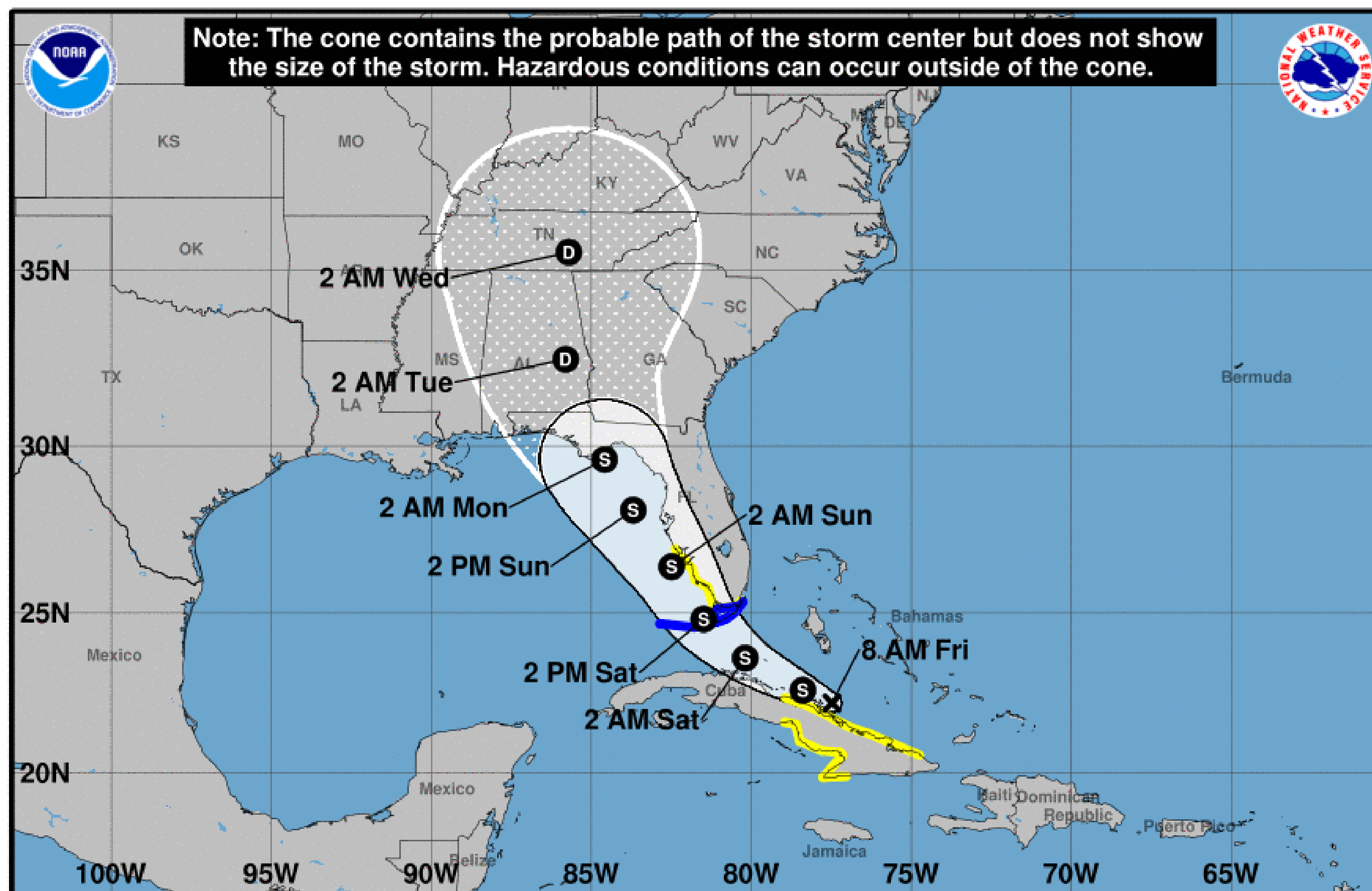




# Tropical Depression Fred



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**Tropical Depression Fred**  
Friday August 13, 2021  
8 AM EDT Intermediate Advisory 15A  
NWS National Hurricane Center

**Current information:** x  
Center location 22.2 N 77.5 W  
Maximum sustained wind 35 mph  
Movement WNW at 10 mph

**Forecast positions:**  
● Tropical Cyclone ○ Post/Potential TC  
Sustained winds: D < 39 mph  
S 39-73 mph H 74-110 mph M > 110 mph

**Potential track area:**

Day 1-3 Day 4-5

**Watches:**

Hurricane Trop Stm

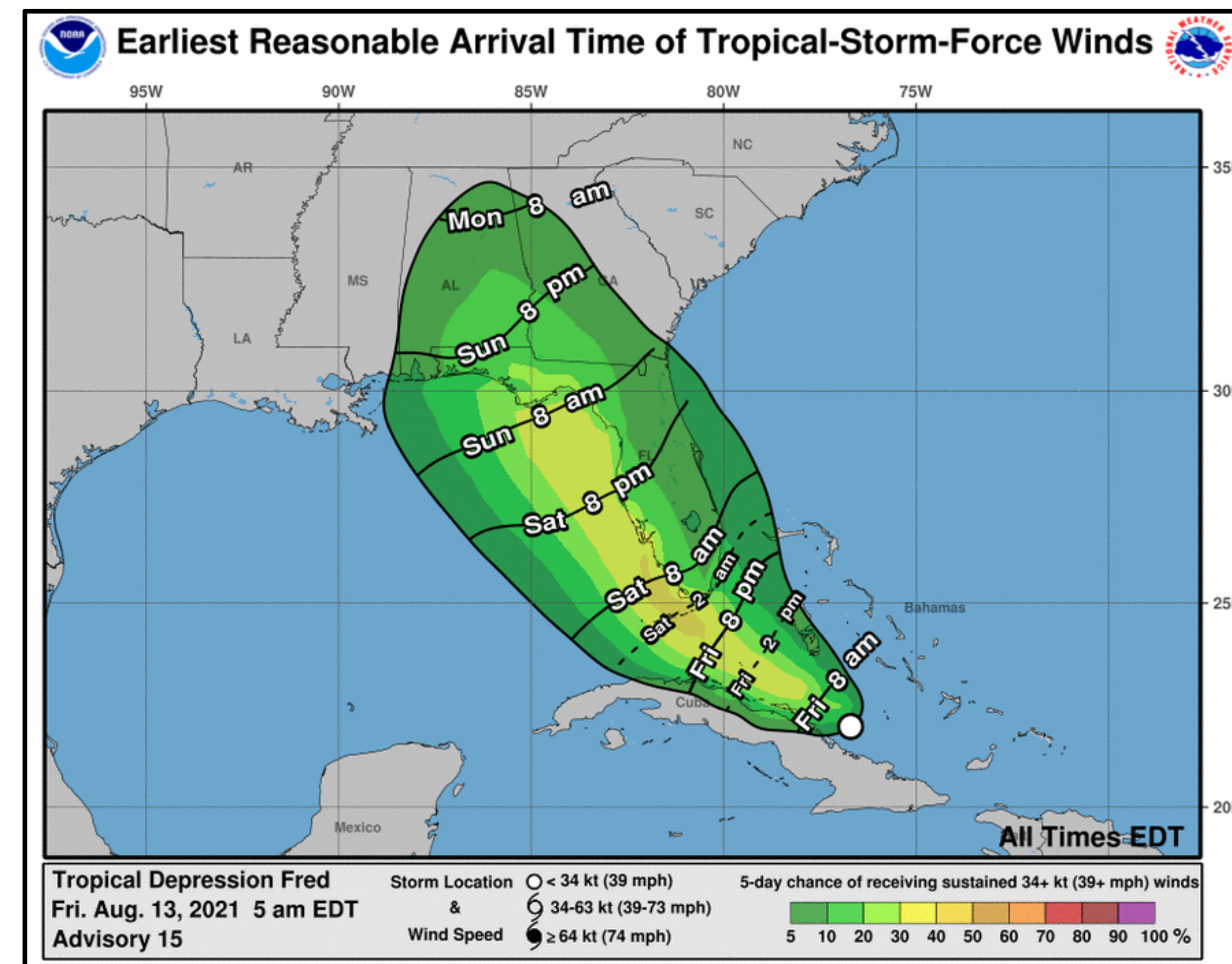
**Warnings:**

Hurricane Trop Stm

**Current wind extent:**

Hurricane Trop Stm

**Fred will re-strengthen to a Tropical Storm today and continue to move to the west northwest and then to the northwest into the eastern Gulf this weekend. No significant impacts to FEMA Region 6 are expected at this time.**





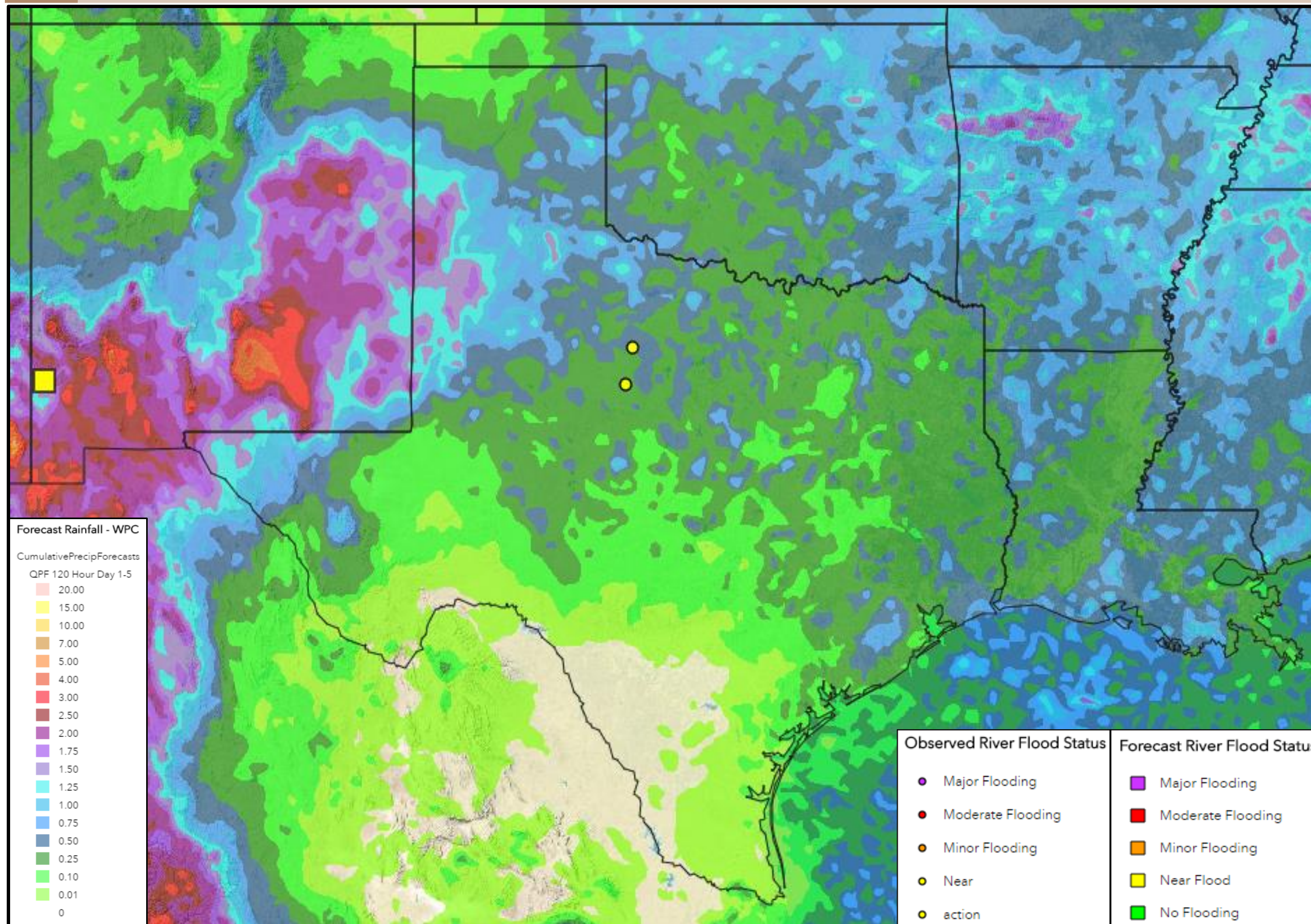
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

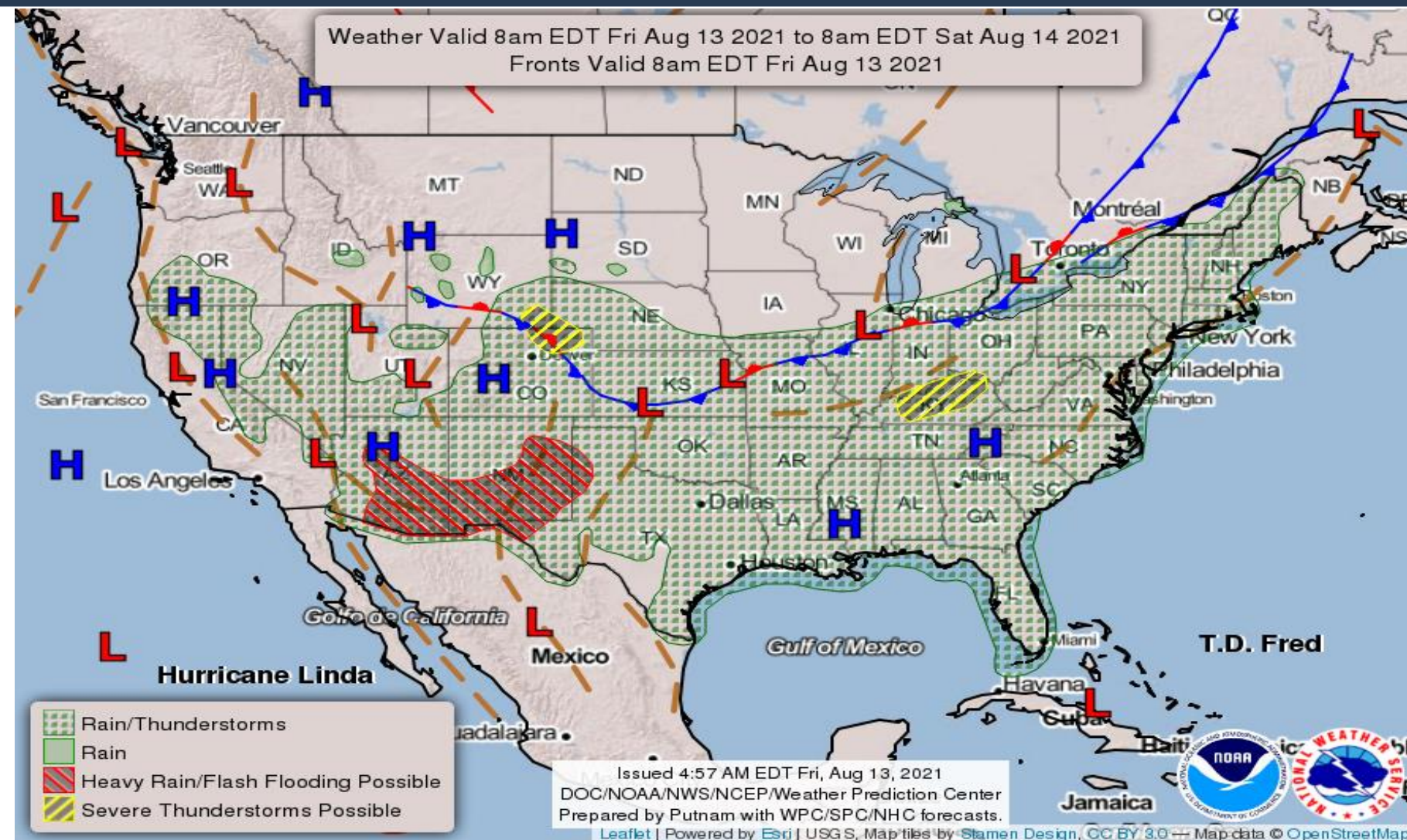
**No river flooding is occurring or expected.**



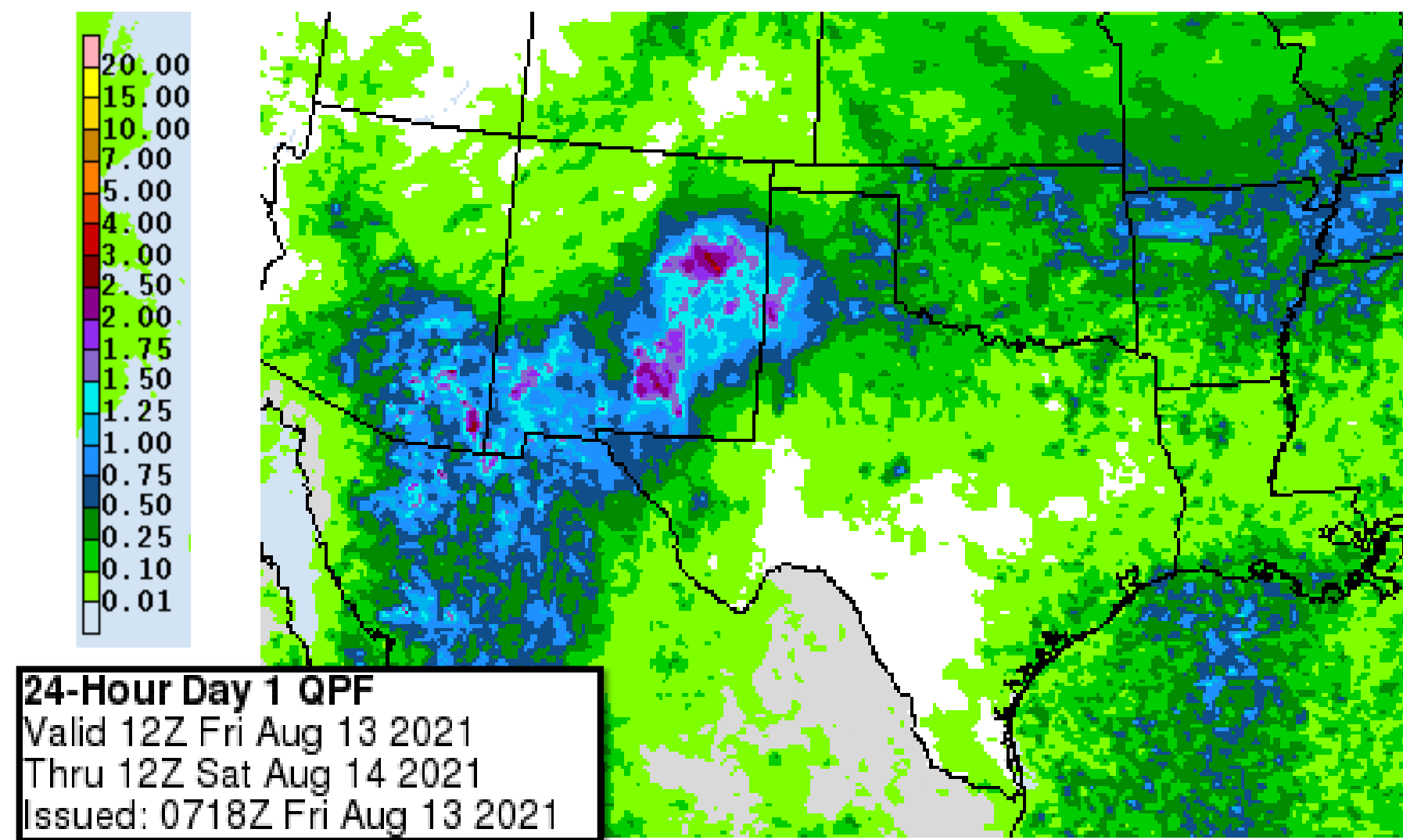


# Today's Weather

## Forecast Chart



## Forecast Rainfall

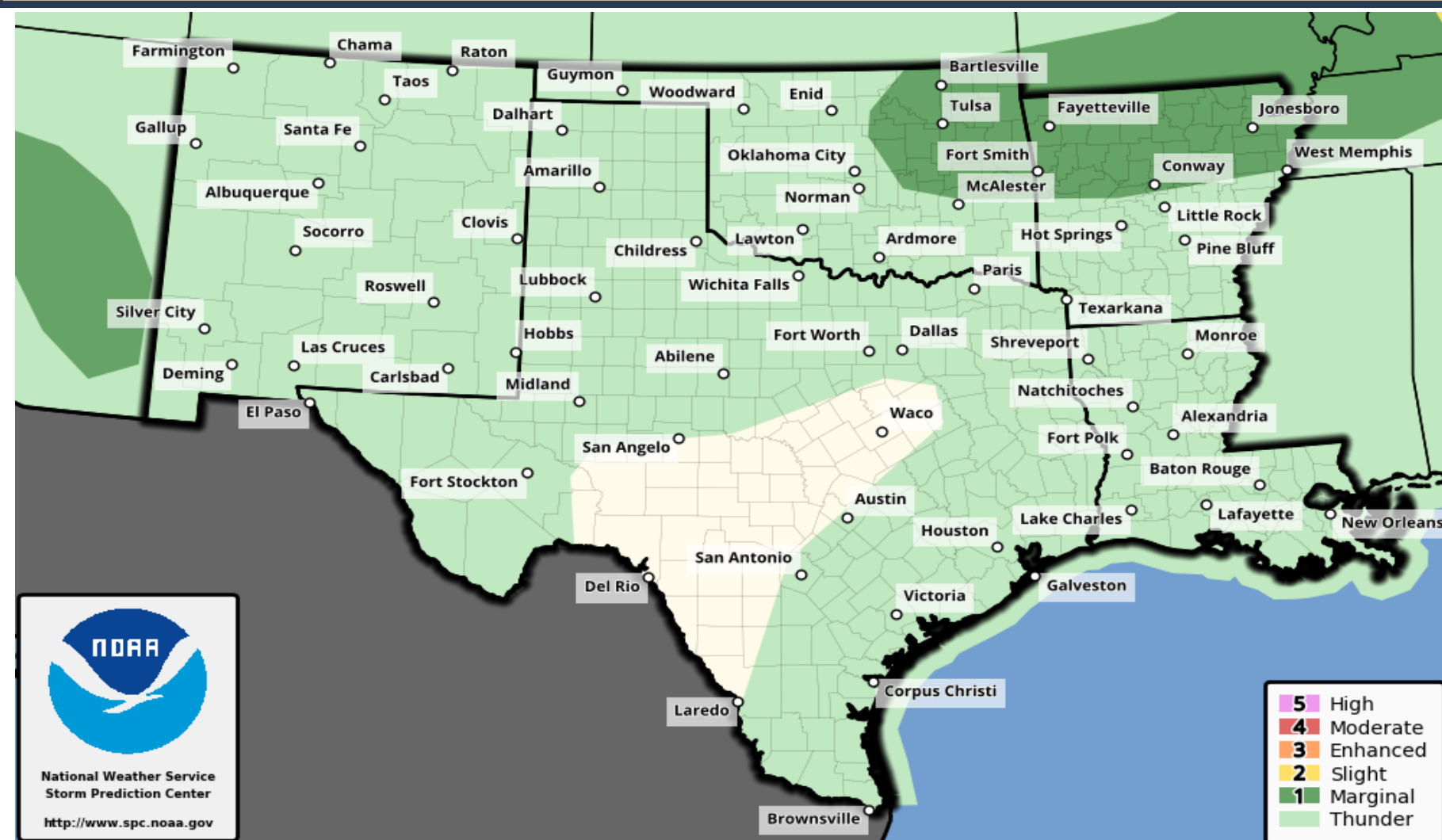


**Isolated to scattered heavy rain/flash flooding possible in NM and W TX.**

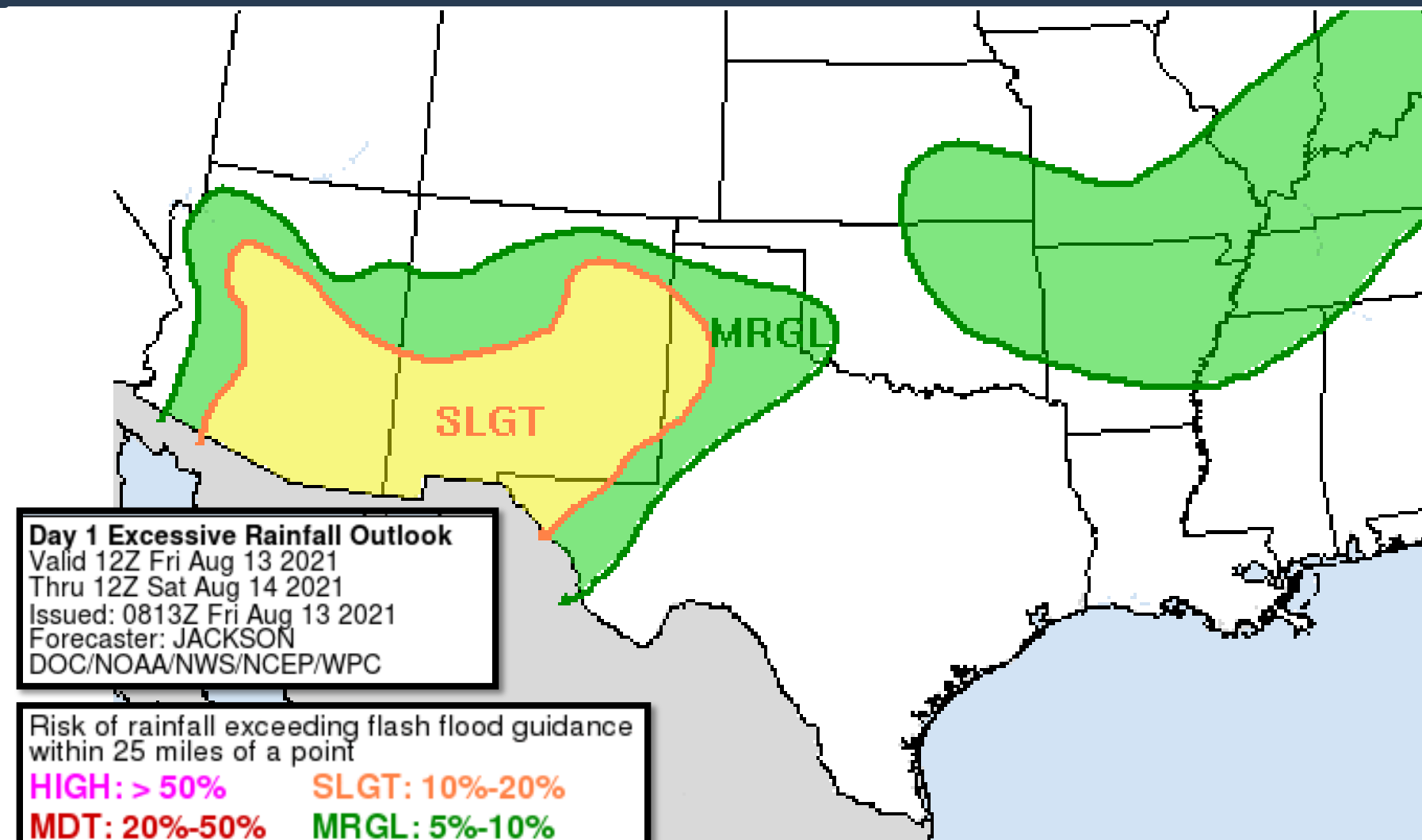
**Isolated severe storms possible over NE OK & N AR; damaging winds are the main threat.**

**Isolated heavy rainfall and flash flooding possible across E OK and AR.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



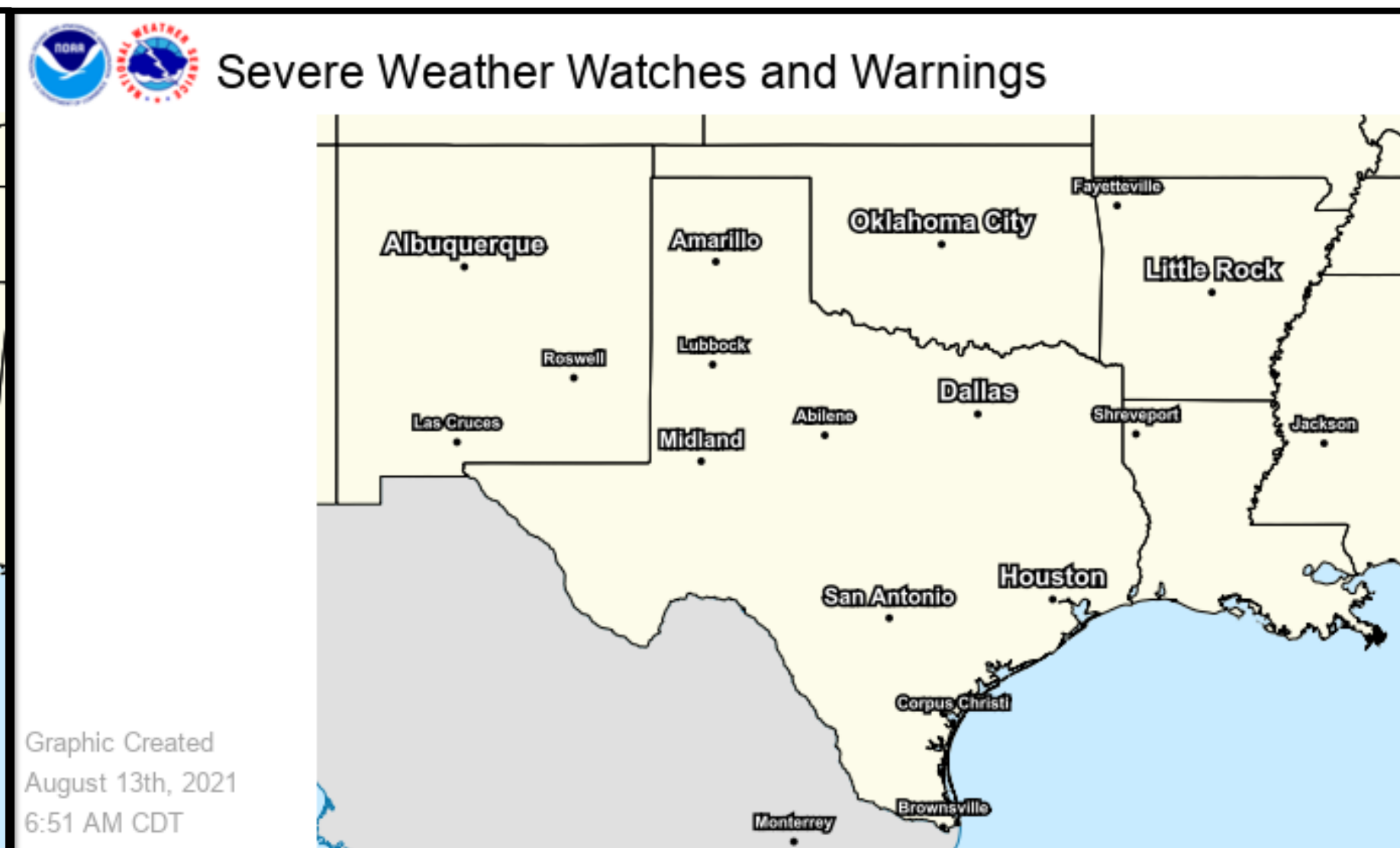


# Watches, Warnings, and Advisories

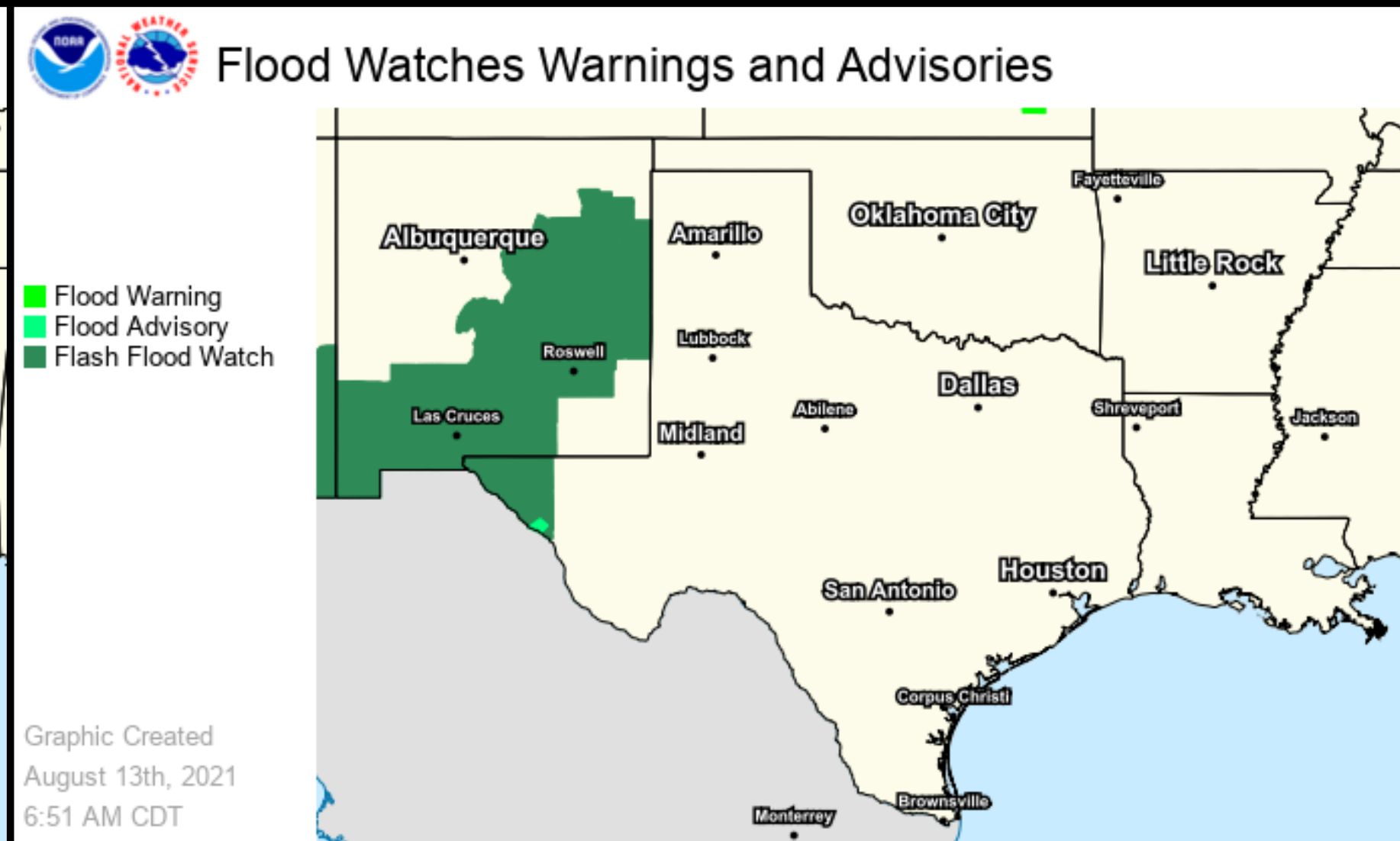
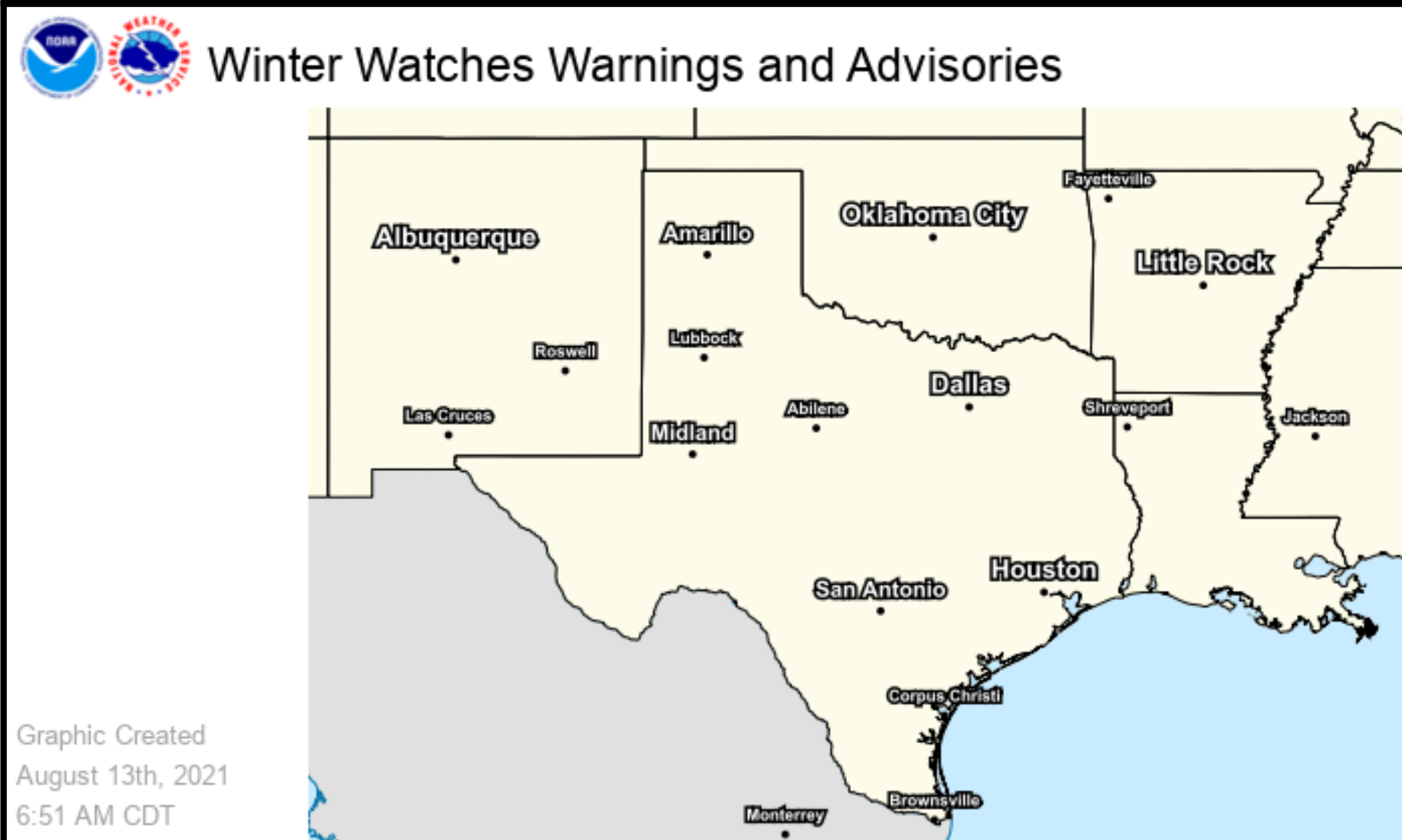
Wind, Severe, Winter, and Flood Hazards



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**Flash Flood Watches in effect  
for parts of NM and Far West  
Texas.**



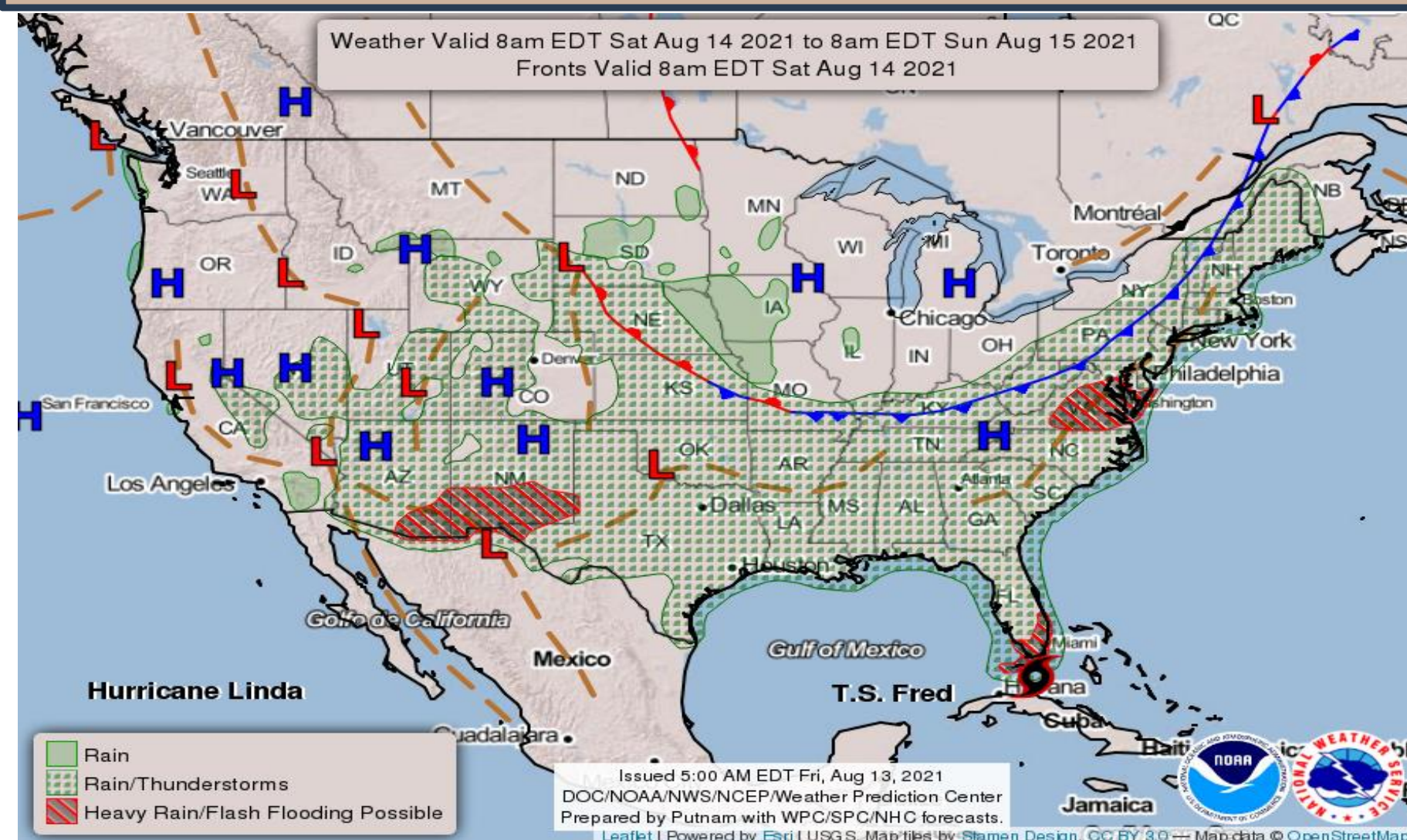


# Tomorrow's Weather

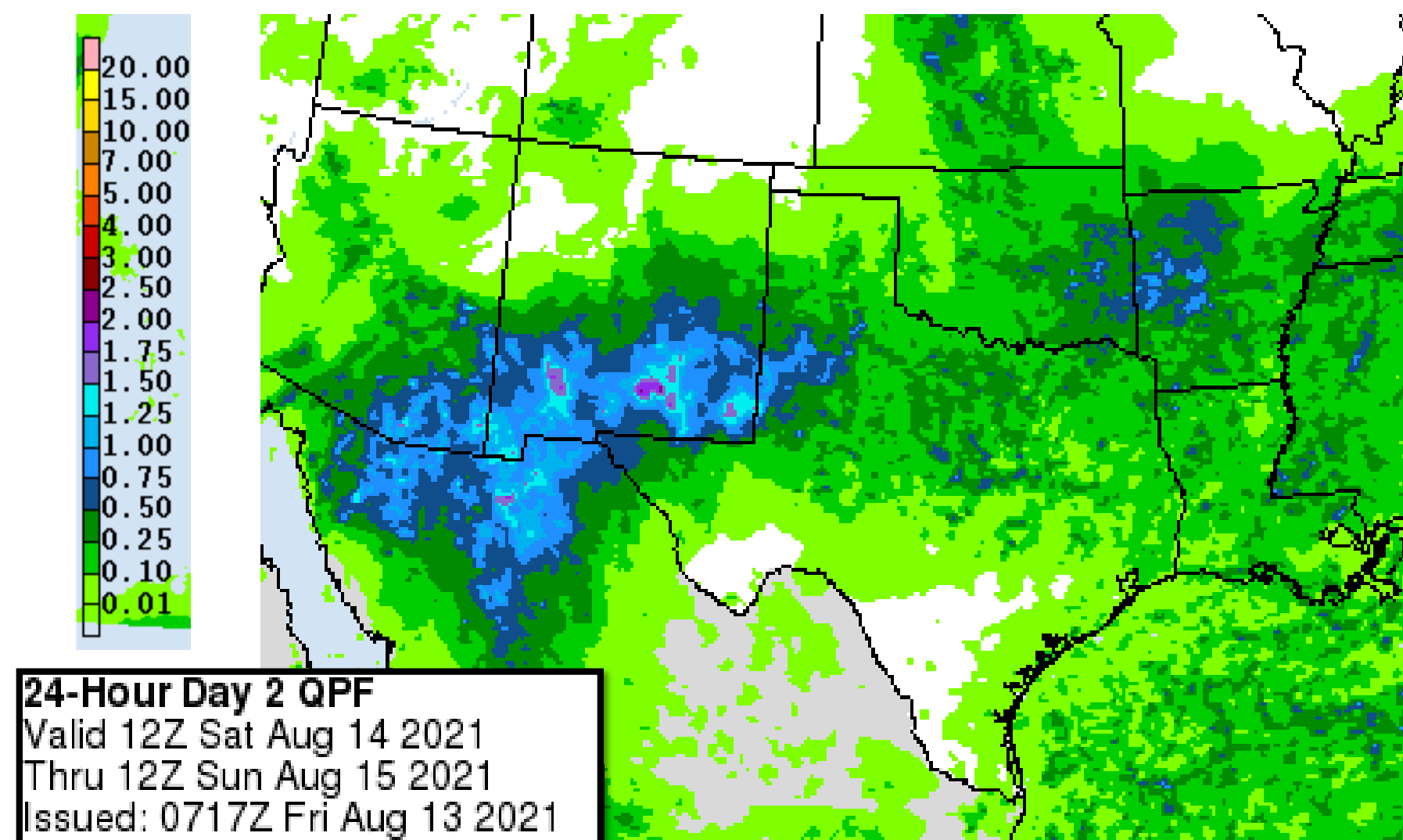


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## Forecast Chart



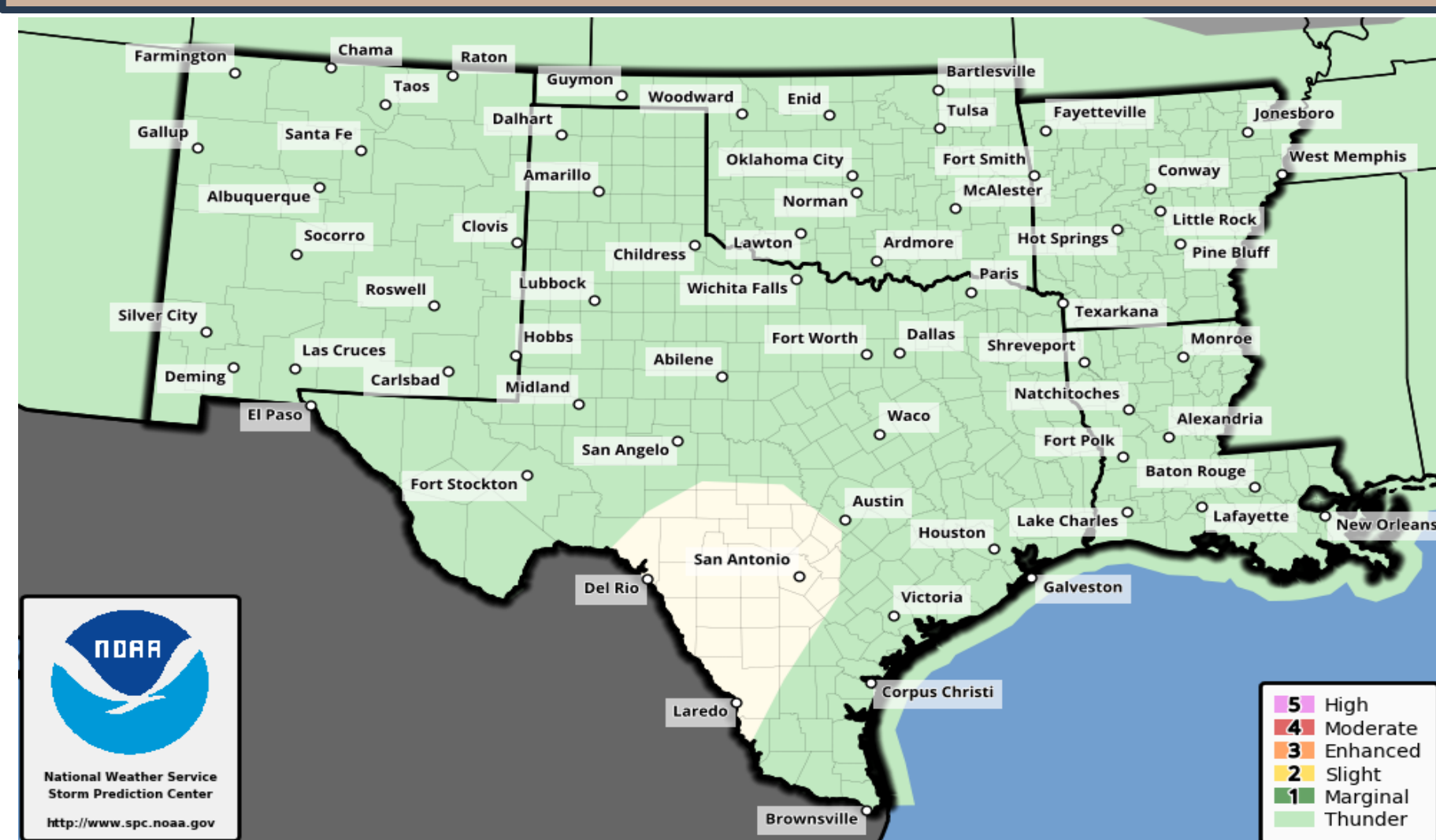
## Forecast Rainfall



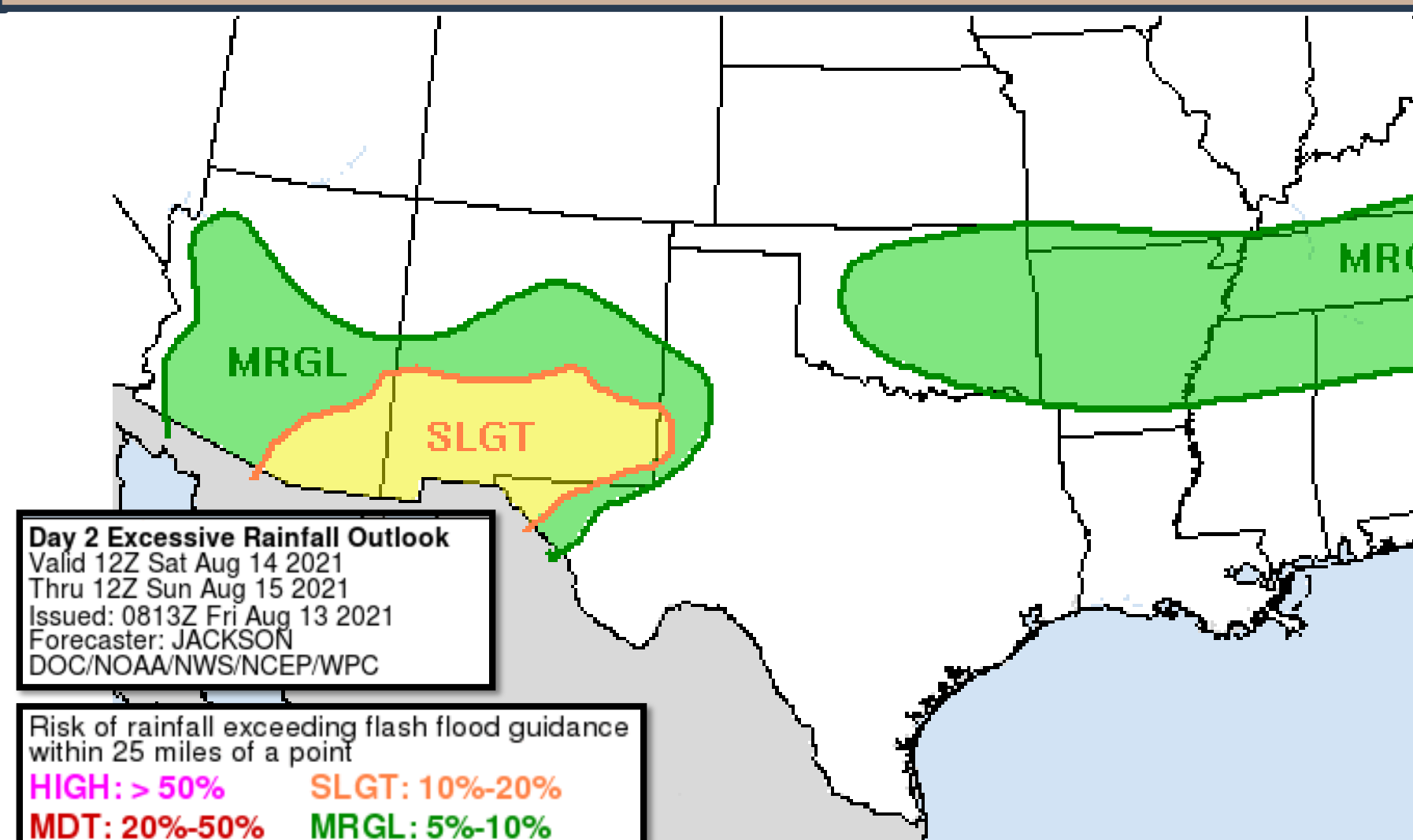
Isolated to scattered heavy rain/flash flooding possible in S NM and Far W TX.

Isolated heavy rainfall and flash flooding possible across OK and AR.

## Severe Weather Outlook



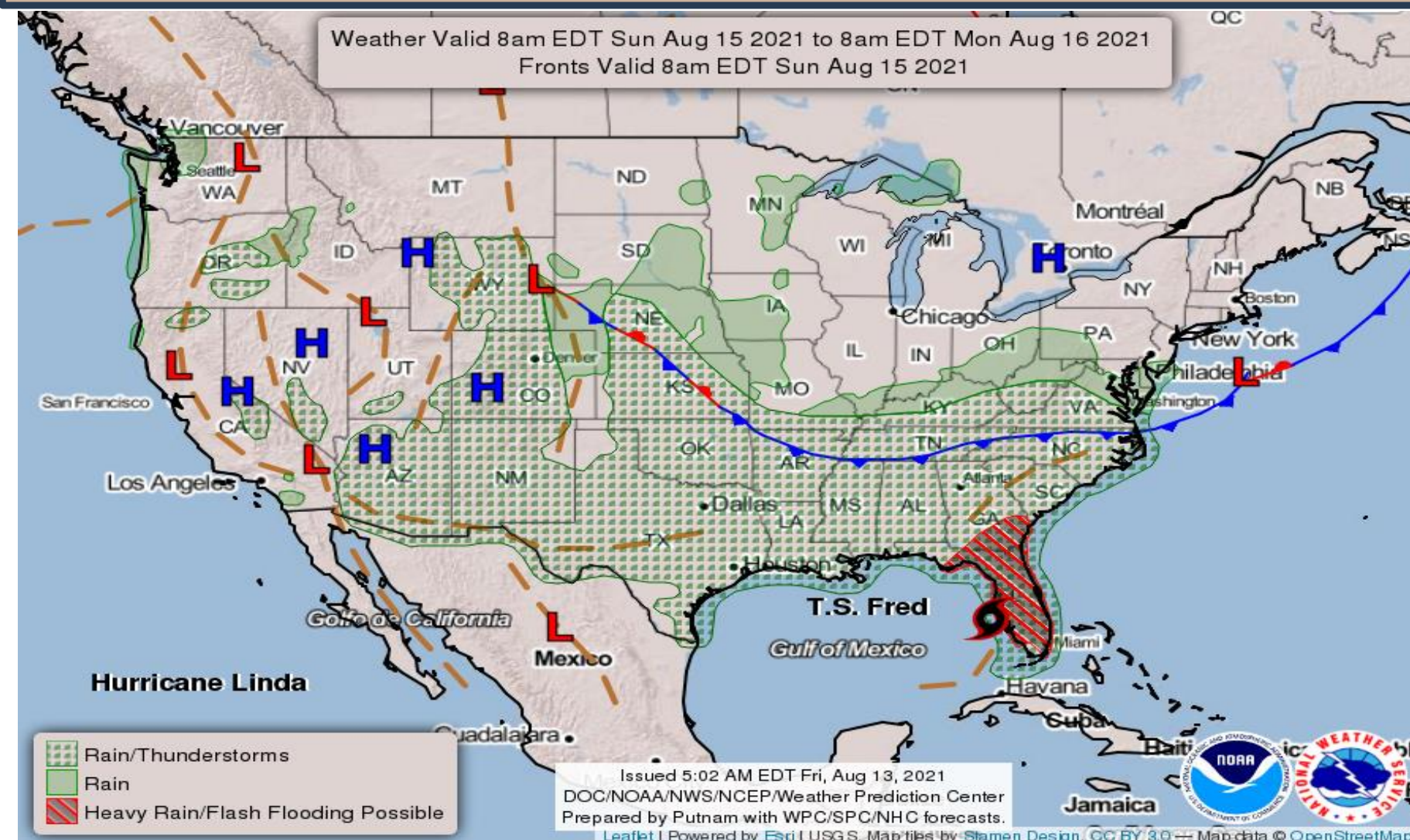
## Excessive Rainfall Outlook



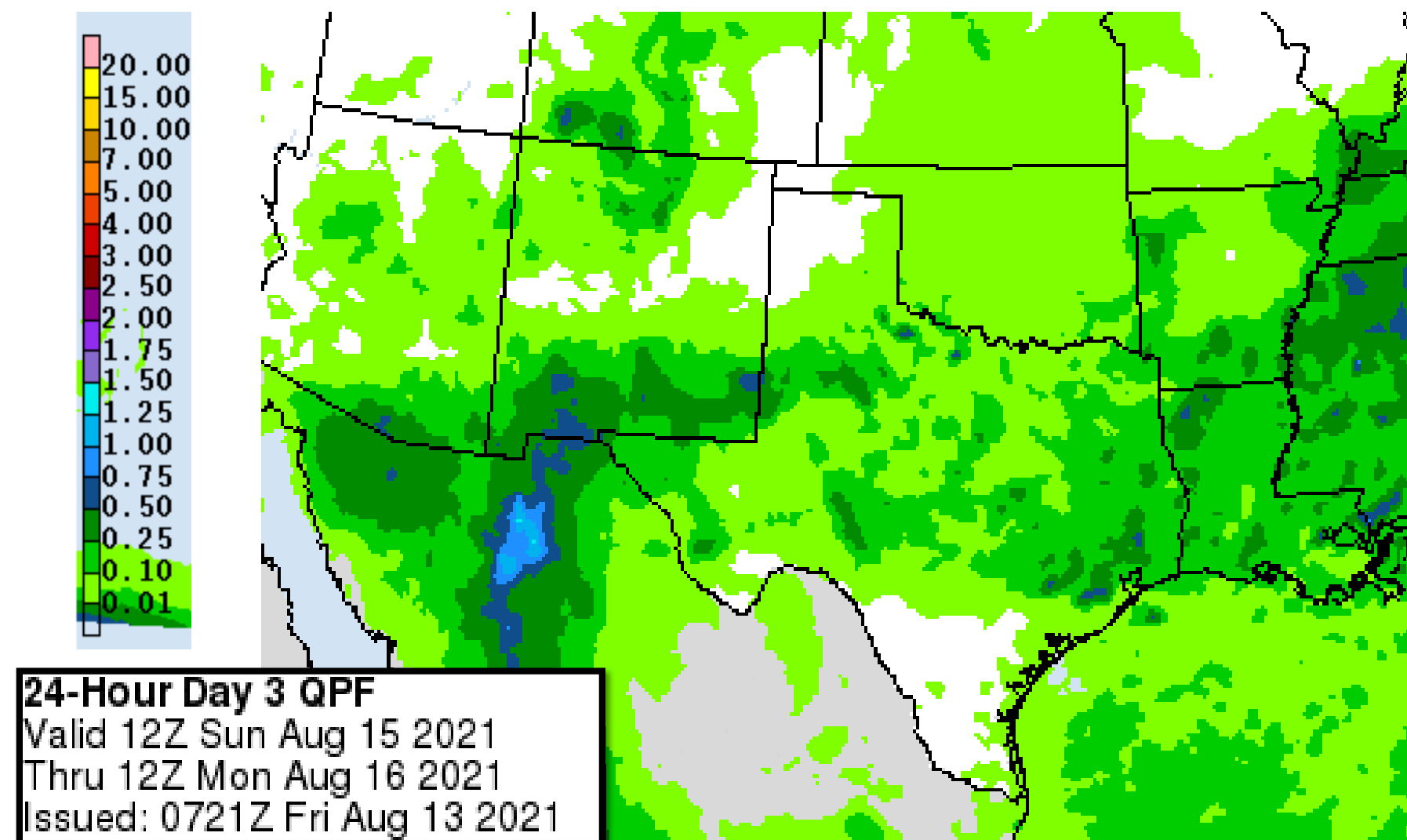


# Sunday's Weather

## Forecast Chart

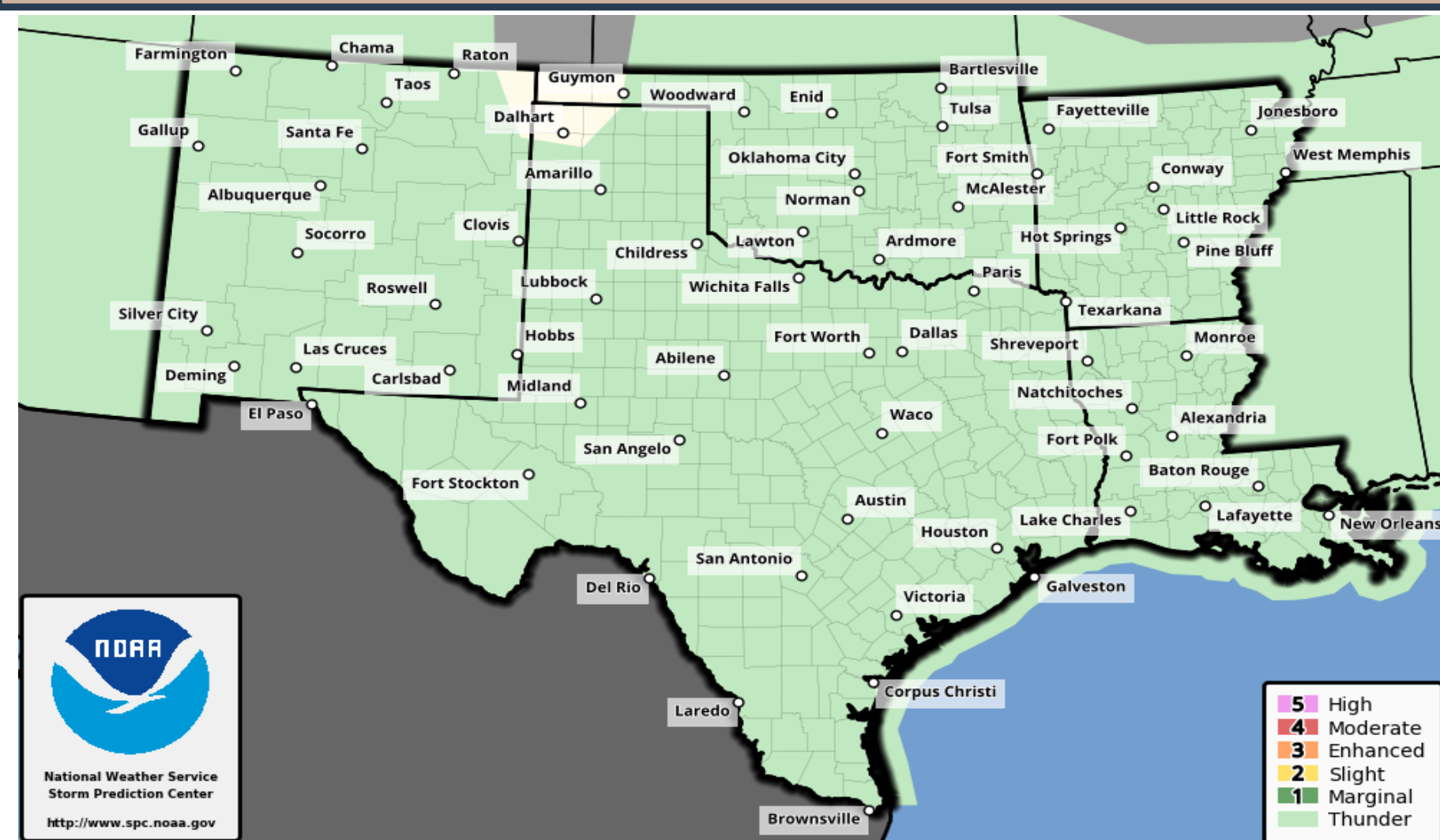


## Forecast Rainfall

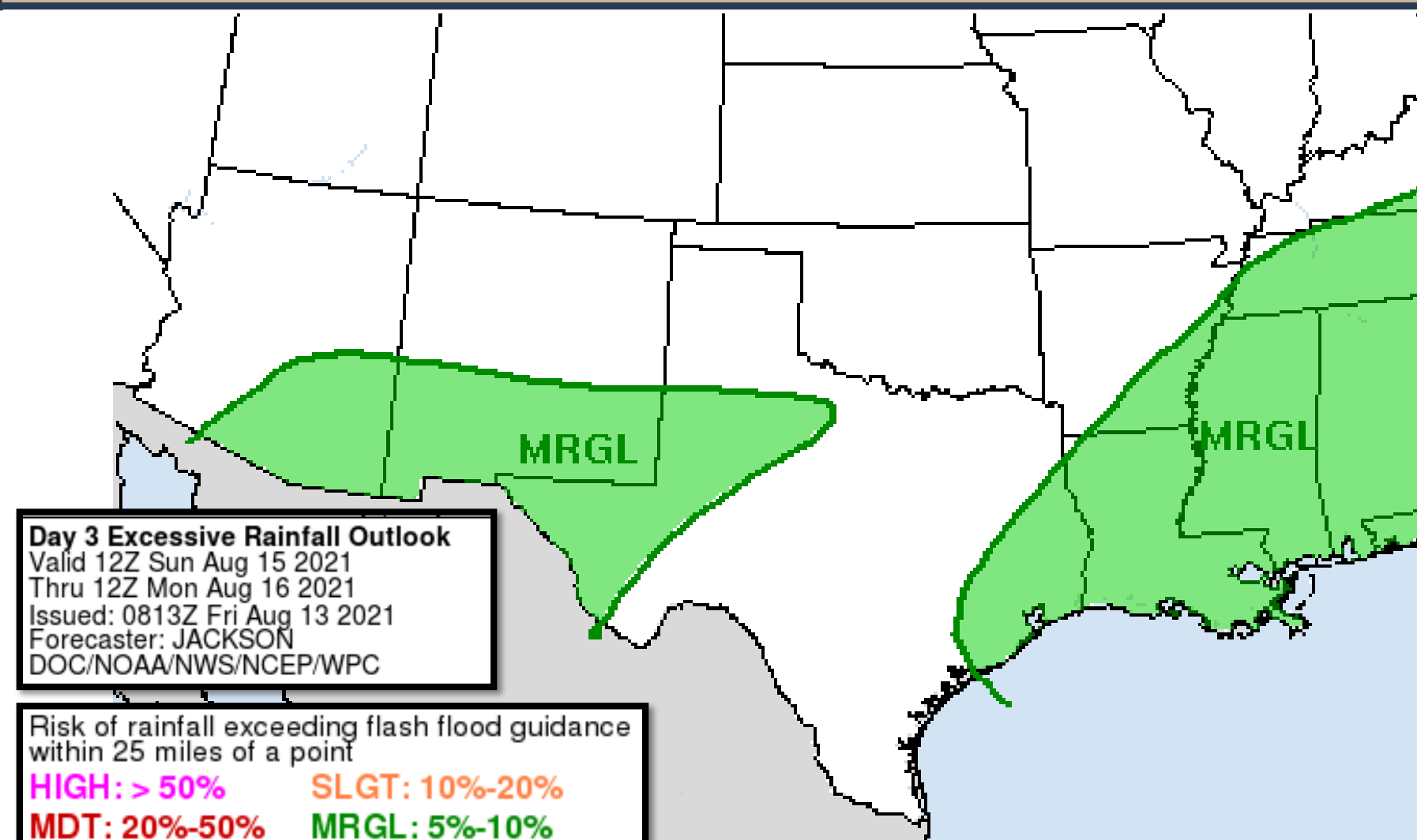


**Isolated heavy rainfall and flash flooding possible across S NM, W TX, E TX, SE AR, and LA.**

## Severe Weather Outlook



## Excessive Rainfall Outlook





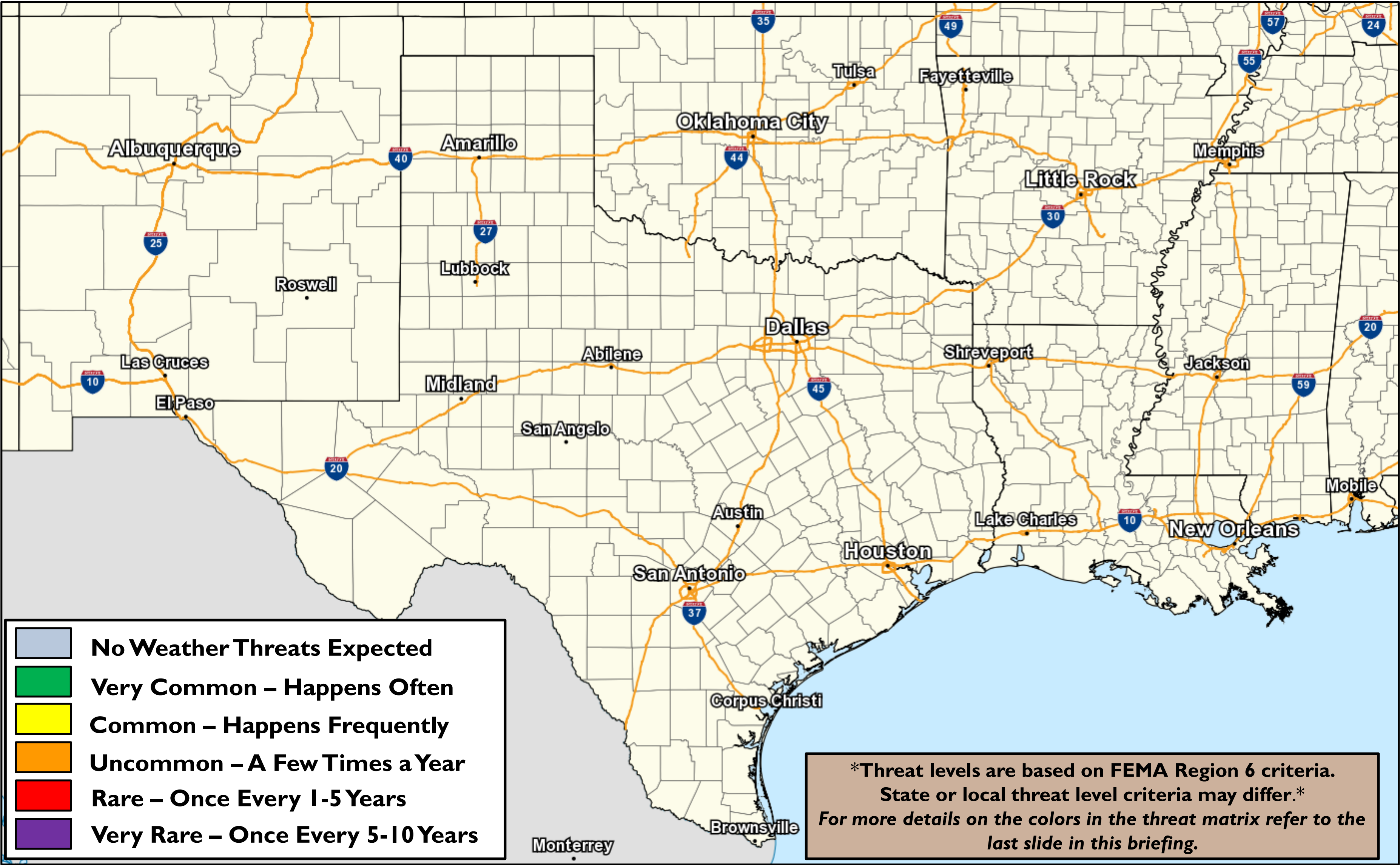
# Days 4-5 Weather Hazards

Monday - Tuesday



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No significant weather expected.





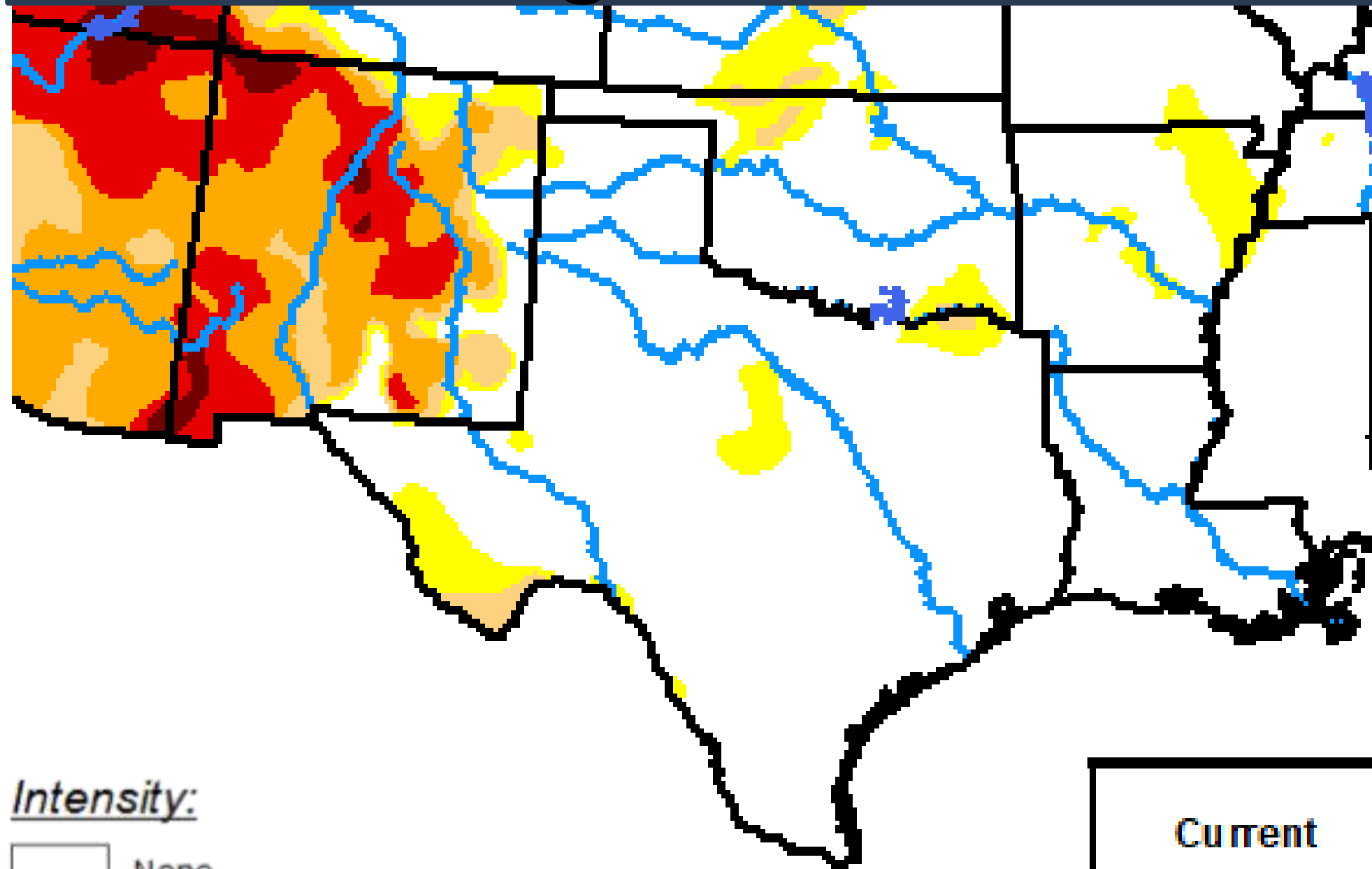
# Drought Monitor (Released Aug 12, 2021)



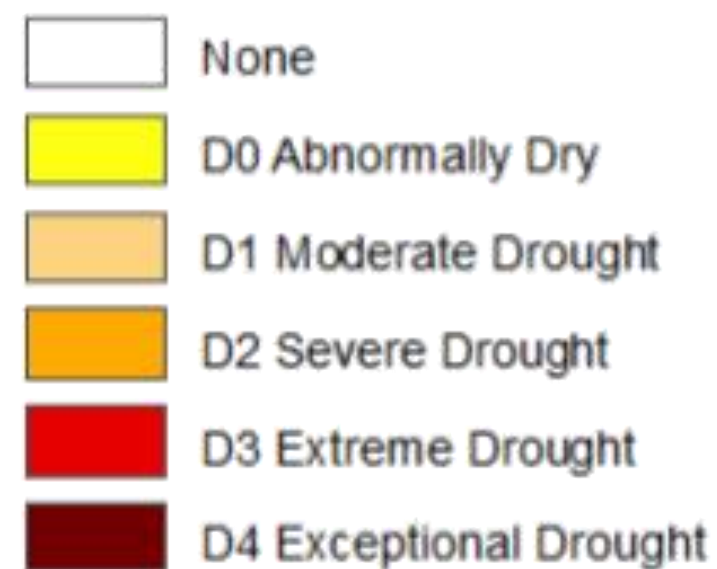
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Data valid as of 8 am ET on Tuesday, August 10, 2021

## Drought Monitor

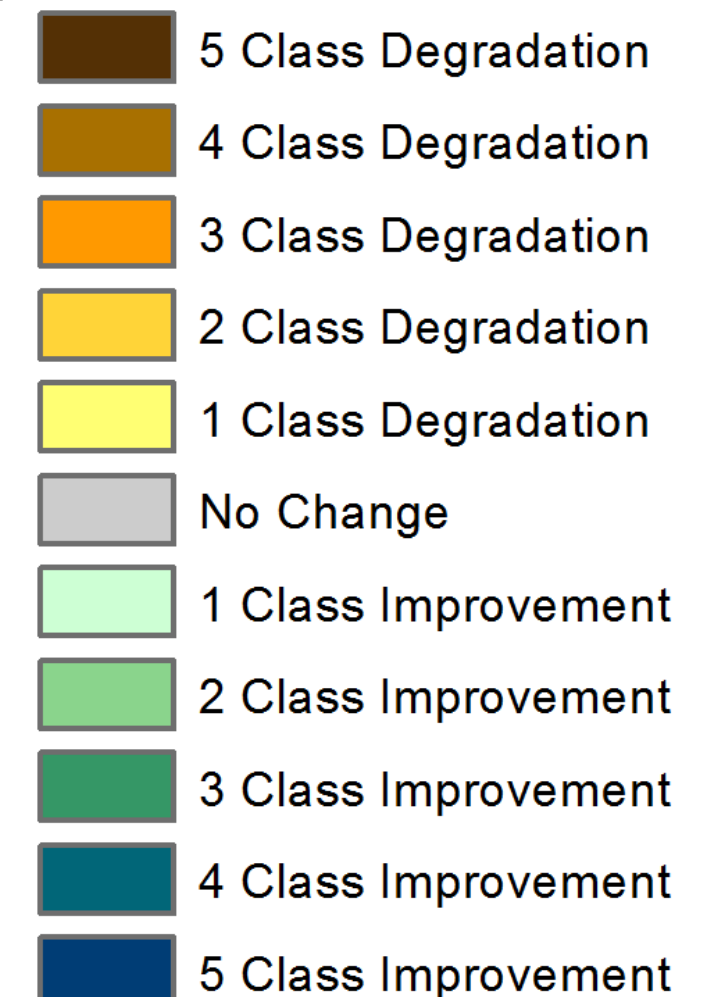
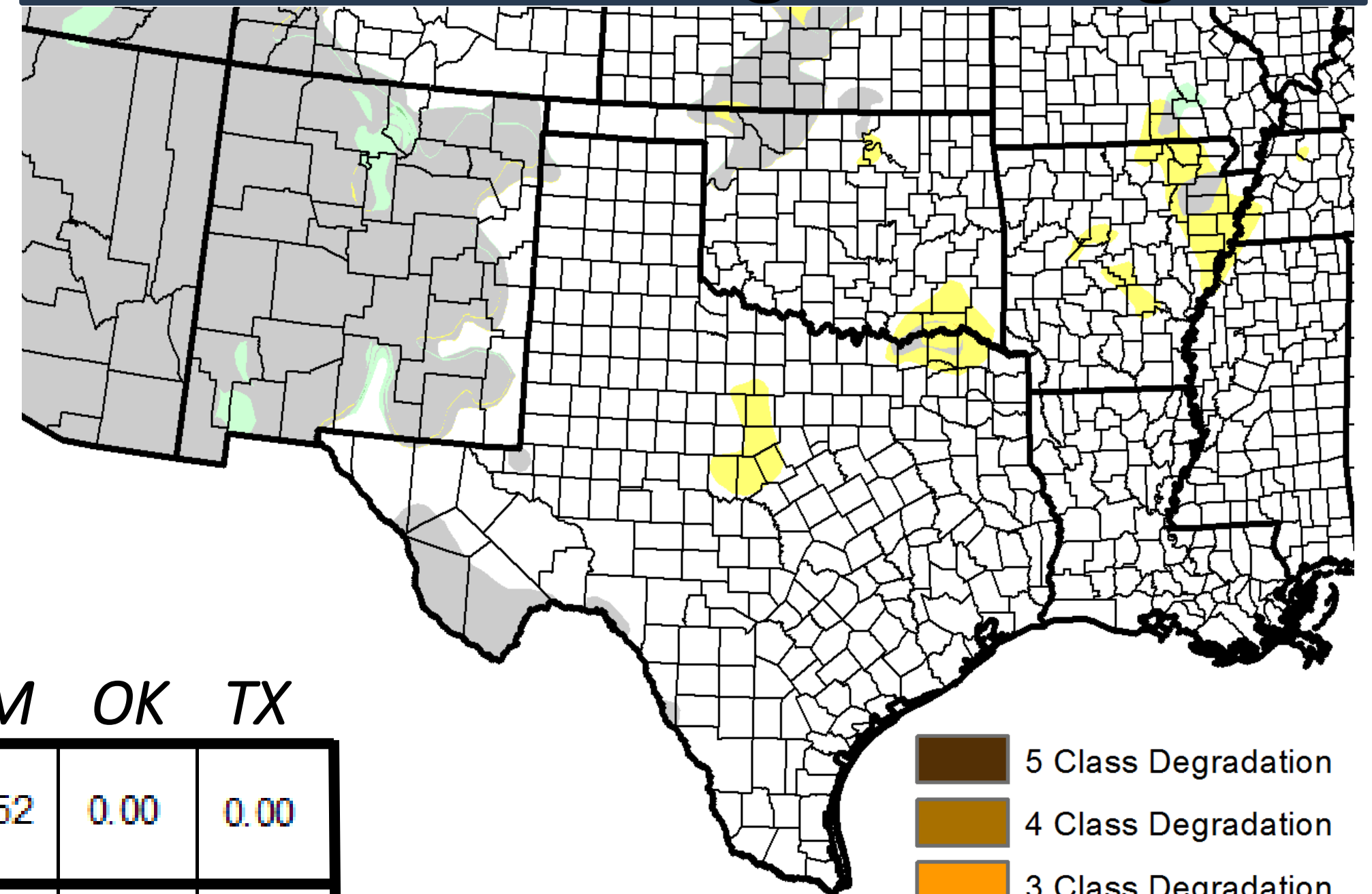


### Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

## One Week Change in Drought



	AR	LA	NM	OK	TX
Current	0.00	0.00	30.52	0.00	0.00
Last Week 08-03-2021	0.00	0.00	31.31	0.00	0.00
3 Months Ago 05-11-2021	0.00	0.00	80.49	0.08	16.88
One Year Ago 08-11-2020	0.00	0.00	14.99	0.00	4.88

Drought Conditions (Percent Area)

D3-D4 (Extreme to Exceptional Drought)

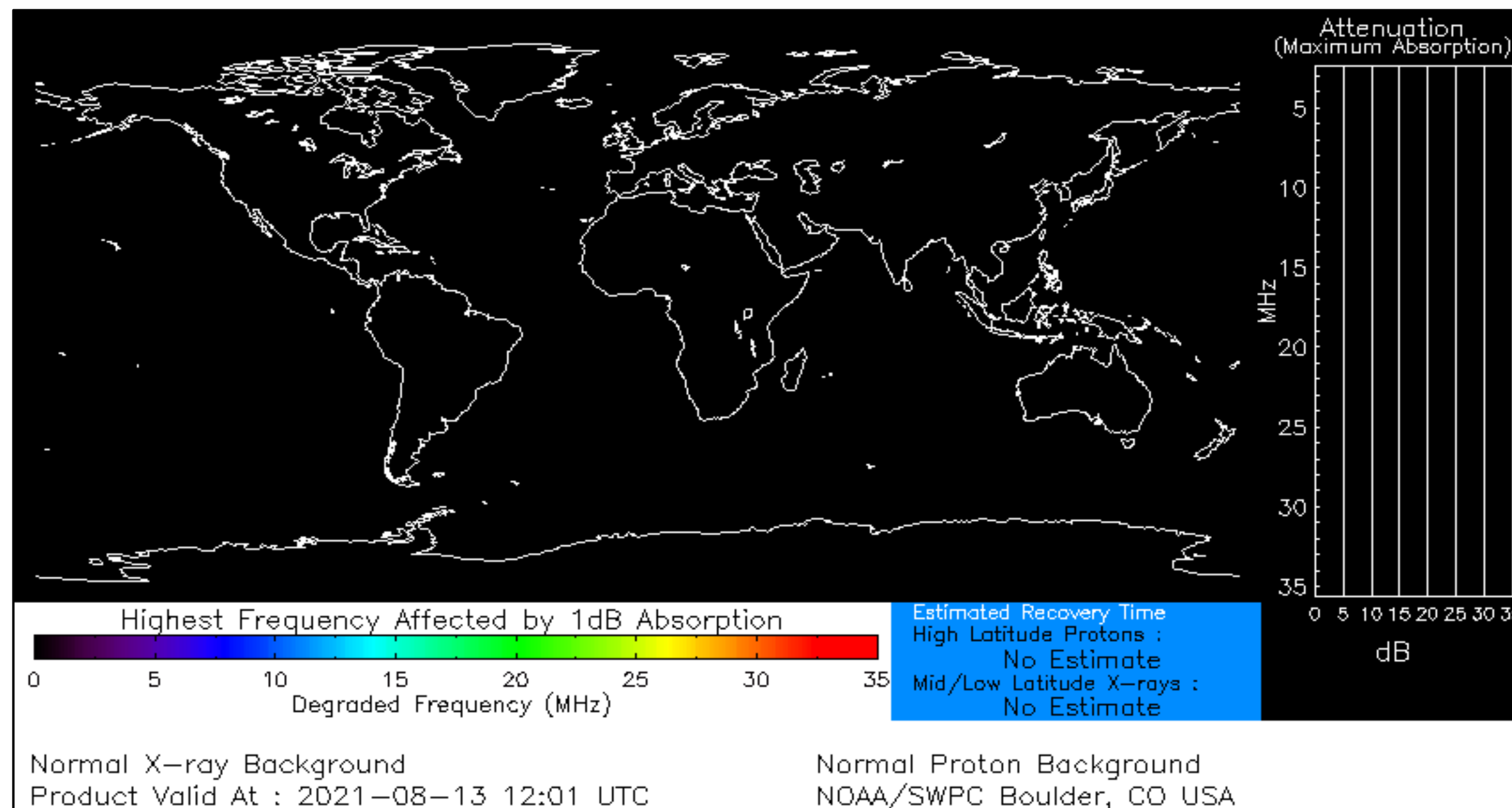


# Space Weather 3-Day Forecast



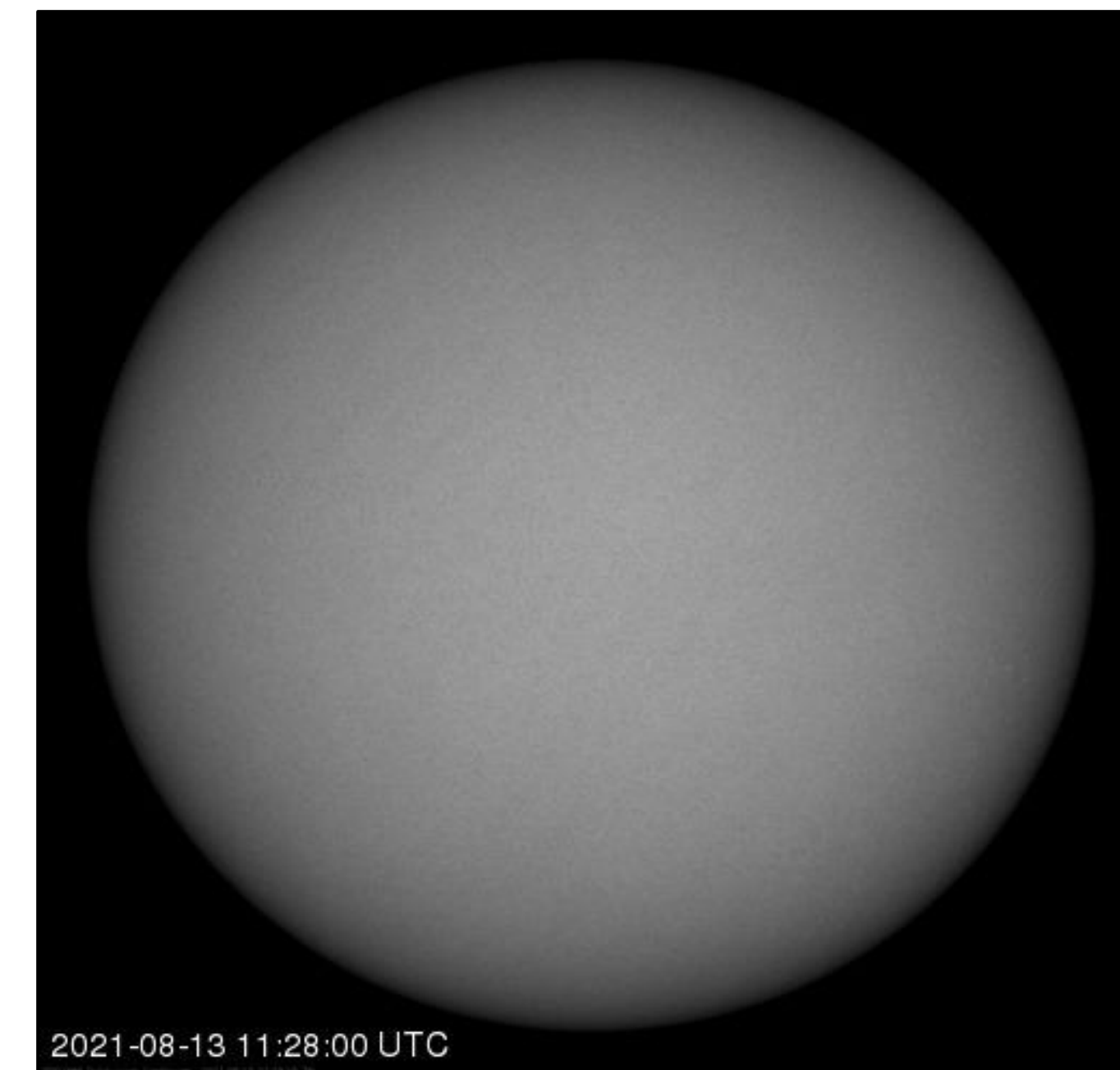
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**